

Character	<i>Amphichondrius granulatus</i>	<i>Amphiodia digitata</i>	<i>Amphiodia urtica</i>	<i>Amphiodia psara</i>	<i>Dougaloplus amphacanthus</i>
Pattern of Aboral Disk	Lrg. Scales with thick scale margin	Sm. Scales inflated disc	Sm. Scales inflated disc	Rosette Scales inflated disc	Very Spiny inflated disc
Radial Shield Pattern	Wedge, 2-3 scales	Parallel bands	Parallel bands	Split Heart	Parallel bands
Pattern of Oral Disk	Bumpy	Sm. Scales	Sm. Scales	Large Scales	Very Spiny
Hyaline Forks	No	Many	Many	No	No
Arm Insertion to Disk	Underneath	Underneath	Underneath	Underneath	Underneath
Number of Oral Papillae	3	3	3	3	4
Arrangement of Papillae	Distal, large	D & M tubular	D & M tubular	D, slightly lrger	Three lateral
	M & A = equal	A = flat & wide	A = flat & wide	M, tubular	all tubular
Infradental Papillae	2sm narrow	2Block-like	2Block-like	A, 2sm Blocklike	A, 2Blocklike
Oral Shield Pattern	Diamond shaped	Pentagonal	Diamond	Triangle curvedup	Lrg. Teardrop
Adoral Shield Spine	No	No	No	No	No
Tooth Pattern	Wedge shaped	Wedge shaped	Wedge shaped	Wedge shaped	Wedge shaped
Number of Tentacle Spines	3	3	3	3	4 to 5
Pattern of Tentacle Spines	Sm, equal size	Sm, equal size	Sm, equal size	Sm, equal size	Mid flat,long,forkd
Number of Tentacle Scales	2 sm, round flaps	2sm right angle	2sm right angle	2med right angle	2 sm, round flaps
Pattern of Dorsal Tentacle	Oblong Oval	Rectangular	Rectangular	Oblong Oval	Oblong Oval
Pattern of Ventral Tentacle	Heart Shaped	Pentagonal	Square/Heart	Rectangular	Square/Heart
Cushion btwn Tentacle Plates	Slightly	No	Yes	No	Yes
Color of Animal Preserved	Cream	Cream/ long leg	Cream/ long leg	Brown/cream	Dark Cream
Character	<i>Amphioplus sp. LA 1</i>	<i>Amphioplus strongyloplax</i>	<i>Amphipholis squamata</i>	<i>Amphipholis pugetana</i>	<i>Amphiura arcystata</i>
Pattern of Aboral Disk	Sm. Scales inflated disc	Sm. Scales inflated disc	Lrg.S./Rosette inflated disc	Lrg.S./Rosette inflated disc	No disc c. scales by radial shield
Radial Shield Pattern	() Pattern	V Pattern	Split Heart	Split Heart	() Pattern
Pattern of Oral Disk	Sm. Scales	Sm. Scales	Sm. Scales	Sm. Scales	Wrinkly
Hyaline Forks	No	No	No	No	No
Arm Insertion to Disk	Underneath	Underneath	Underneath	Underneath	Underneath
Number of Oral Papillae	5	5	3	3	3
Arrangement of Papillae	Middle lrger than outside laterals	Mid lrger than outside laterals	D= lrg, wide,flat M tubular	D= lrg, wide,flat M tubular	D= long, tubular M=Flat short
Infradental Papillae	2Lrg. Block-like	2Lrg. Block-like	2sm. Block-like	2sm. Block-like	2lrg Block-like
Oral Shield Pattern	Rnd Teardrop	Rnd Arrowhead	Shrp Arrowhead	Sm. Triangle	Triangular
Adoral Shield Spine	No	No	No	No	No
Tooth Pattern	Wedge shaped	Wedge shaped	Wedge shaped	Wedge shaped	Wedge shaped
Number of Tentacle Spines	4 to 5	4 to 5	3	3 to 4	5 to 8
Pattern of Tentacle Spines	Mid flat,short,frkd	Mid flat,shrt,frkd	Equal	Equal	Equal
Number of Tentacle Scales	1 sm flap	1 sm flap	2med flaps	2 med flaps	2 smal flaps
Pattern of Dorsal Tentacle	Oval	Oval	Oval	Oblong Oval	Oval
Pattern of Ventral Tentacle	Square/Heart	Square/Heart	Square/triangle	Teardrop	Square
Cushion btwn Tentacle Plates	Slightly	Slightly	Yes	Slightly	Slightly
Color of Animal Preserved	light to dark cream	ligt - drk cream	cream	cream	light-drk cream

Character	<i>Ophiuroconis bispinosa</i>	<i>Ophiothrix spiculata</i>	<i>Ophiura luetkenii</i>	<i>Ophiacantha diplasia</i>	<i>Ophiopholis bakeri</i>
Pattern of Aboral Disk	Many papillae	Multifid spines	Lrg. Scales w/	Many papillae	Multifid spines
	Disk inflated	color spots	flattened disc	flattened disc	flattened disc
Radial Shield Pattern	Tiny split heart	2 wedges	2 leaf blades	cvd w/scales	() cvd w/ spines
Pattern of Oral Disk	Many papillae	Multifid spines	Fused w/scales	Sm. Scales	Multifid spines
Hyaline Forks	No	Yes	Yes	No	Yes
Arm Insertion to Disk	Underneath	Into disk, under	Inserted to disc	Inserted to disc	Inserted to disc
Number of Oral Papillae	4	0	4	5 to 7	4 to 6
Arrangement of Papillae	D-pair flat&broad	N/A	All flattened	All tubular	All flattened
	Lateral 2 small	N/A	and equal	and equal	and equal
Infradental Papillae	3 spikes	0	5 + spikes	3 tubules	0
Oral Shield Pattern	papillae, arrowhead	Jellyfish shaped	Shrp Arrowhead	Shrp Arrowhead	Bat-ray shaped
Adoral Shield Spine	No	No	No	No	No
Tooth Pattern	Serrated spines	Many Lobes	Row of Spines	Many lobes	Many small lobes
Number of Tentacle Spines	2	Whorls of 8	3	4 to 7	4 to 7
Pattern of Tentacle Spines	Distal longer	Serrated combs	shrt, med, tall	Distal very lrg.	p,hook, outter,lng
Number of Tentacle Scales	1Large cup shaped	1 sm flap	1round disc	2 long scales	1, flat elongate
Pattern of Dorsal Tentacle	Tall Rnd Squares	Diamond	Wide,Flare,Oval	Diamond	Oval, sur w/spine
Pattern of Ventral Tentacle	Sm Rnd rectangle	Square/Heart	Triangular	Oval	Cup
Cushion btwn Tentacle Plates	No	Slightly	No	Slightly	No
Color of Animal Preserved	Cream	Cream - Gray	Cream	Dark Cream	Reddish/Pink
Character	<i>Ophiopsila californica</i>				
Pattern of Aboral Disk	Rosette lrg scale				
	disc inflated				
Radial Shield Pattern	Not visible				
Pattern of Oral Disk	Small scales				
Hyaline Forks	No				
Arm Insertion to Disk	Underneath				
Number of Oral Papillae	2				
Arrangement of Papillae	2 paired lobes				
	Laterally				
Infradental Papillae	1 lobe center				
Oral Shield Pattern	Brown cushions				
Adoral Shield Spine	Yes				
Tooth Pattern	Row of Lobes				
Number of Tentacle Spines	3 to 4				
Pattern of Tentacle Spines	Middle ones longer				
Number of Tentacle Scales	Long tube flaps				
Pattern of Dorsal Tentacle	Teardrop				
Pattern of Ventral Tentacle	Square				
Cushion btwn Tentacle Plates	Yes				
Color of Animal Preserved	cream/ btwn joints				